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**(54) AUTOMATIC HOOD
OPENING DEVICE FOR
VEHICLE**

(57) Abstract:

PROBLEM TO BE SOLVED: To open a hood without damaging any coating film by mounting an oscillating member which is disposed on the frame side under a vehicle body facing the back surface of the hood and supports an actuator which reciprocates the supporting means of a cylinder formed with a pad that engages and disengages with/from the back surface of the hood.

SOLUTION: A roller 6 is journaled to a plate 15 serving as an oscillating member through a shaft 16, and the shaft 16 protrudes in Y-axis direction from a bracket 13. The base end of the bracket 13 is oscillatably-supported against a frame 10 disposed below a vehicle body which can face the lower surface of the hood. At the outside of a rail 11, a rod-less cylinder 7 serving as an

actuator is disposed in parallel, and its drive part is connected to a linear guide 12 and the shaft 9 is driven along X-axis. The base end of a cylinder 52 whose end is formed with a pad 54 which engages and disengages with/from the back surface of the hood is connected to the shaft 9, and the cylinder 52 is disposed in parallel to a belt conveyer 3 and oscillatably-supported against the frame 10.

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